

WHAT IS CLAIMED IS:

1. An apparatus for removing charged particles from a surface, the surface being capable of movement, comprising:  
a conductive brush in contact with said surface, said conductive brush having a first region thereof having a first polarity and a second region having a second polarity; and  
means for biasing said conductive brush.
2. An apparatus as recited in claim 1, wherein said conductive brush includes a core and conductive fibers attached thereto, said core being electrically segmented into said first region and said second region.
3. An apparatus as recited in **claim 2**, wherein said biasing means includes a commutator electrically connected to said core and a power supply for applying a bias to said commutator.
4. An apparatus as recited in **claim 2**, wherein said first region being positively charged, removes the negative triboelectrically charged particles from the surface.
5. An apparatus as recited in **claim 1**, wherein said second region, being negatively charged removes the positive triboelectrically charged particles from the surface.
6. An apparatus as recited in **claim 4**, wherein said first polarity comprises a negative charge.

7. An apparatus as recited in **claim 4**, wherein said second polarity comprises a positive charge.

8. An apparatus as recited in **claim 1**, further comprising:  
a housing for holding said conductive brush being partially enclosed therein.

9. An apparatus as recited in **claim 1**, further comprising a detoning member for clean said conductive brush.

10. An apparatus as recited in **claim 9**, wherein said detoning member segment into a first port having said first polarity for cleaning the second region of the conductive brush and a second portion having a second polarity for cleaning the first region of the conductive brush.

11. An apparatus as recited in **claim 9**, further comprising a controller for changing the polarity of said detoning member from said first polarity to said second polarity when said opposite polarity region on said conductive brush passes thereby.